

TECHNICAL BULLETIN
Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

No. 407-03-52

Date 12-17-03

Page 1 of 2

DATE
REV

MODEL AFFECTED: 407

SUBJECT: NEW RADS-AT SCRIPT FILE, VERSION 7.30,
INTRODUCTION OF.

HELICOPTERS AFFECTED: All Model 407 Helicopters.

COMPLIANCE: Prior to the next rotor smoothing data acquisition procedure.

DESCRIPTION:

This bulletin introduces a new version of the RADS-AT script file, version 7.30, available on the Bell Internet site at www.bellcustomer.com. A maintenance manual revision will be issued to reflect this change in the near future.

This revised script file deletes the procedure to acquire RADS-AT rotor vibration data at the interim RPM of 81% Nr. Operating the Bell 407 at 81% Nr for the acquisition of RADS-AT vibration and tracking data is not authorized and should be discontinued.

APPROVAL:

The engineering design aspects of this bulletin are Transport Canada approved.

MANPOWER:

No additional manpower is needed if done as part of the rotor smoothing procedure.

MATERIALS:

None required

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-407-MM-2, REV.18, 29 AUGUST 2003.

Chapter 18-00-00, Vibration Analysis.

PUBLICATIONS AFFECTED:

BHT-407-MM-2, REV.18, 29 AUGUST 2003.

Chapter 18-00-00, Vibration Analysis.

ACCOMPLISHMENT INSTRUCTIONS:

1. Refer to BHT-407-MM-2, chapter 18. Amend the maintenance manual to strike out any reference to track and balance data acquisition at 81% Nr, 35% Tq in the areas that follow:
 - a. Paragraph 18-11:
 - 1) General description
 - 2) Step 4
 - 3) Step 6, and the CAUTION note above step 6
 - b. Table 18-4.
2. Load the new script files "m407_73a.cmd" and "m407_73b.cmd" in your CADU. You will find these files on the Bell Internet at www.bellcustomer.com.
 - a. Both files must be loaded into the CADU to have the correct acquisitions, displays, and diagnostics. The "ReadMe.txt" file included in the m407.zip file provides the details of what was changed with version 7.30 compared to version 7.10.
 - b. If you cannot up-load the new script file, Version 7.10 can still be used. However, when doing the initial work on the ground, proceed immediately to 100% Nr, 35% Tq after you complete the IDLE (63% Ng) condition. Do not do the 81% Nr test condition.
3. Make an entry in the helicopter Historical Service Records to show that this Technical Bulletin is completed.